**[0052]** As shown, and as noted and explained above, the system **10** herein, employs a computer controller **12** having a microprocessor and having available electronic memory operatively engaged or in communication therewith, in which software operating to accomplish the various tasks noted herein is running.

**[0053]** In all modes of the system **10**, the controller **12** will be in electronic communication with an ignition sensor **14** which operates to communicate an electronic signal to the controller **12** when a driver of the vehicle has actuated a switch or key to a start position for the engine of the vehicle. Engine operation sensing software running on the controller **12**, upon receipt of an electronic ignition signal from the ignition sensor **14**, will generate a signal to the controller to cause a sonic alarm **16** such as a horn or transducer or loudspeaker, to generate a startup sonic warning sound to areas surrounding the vehicle, which correlates to the action of starting the vehicle.

**[0054]** In all modes of the system **10** herein when it is noted that the controller **12** activates a component, such may be by direct electric communication with that component or by activation of a remote switch such as a solenoid or electronically activated switch, or by communication of a signal directly to a component which has a unique identifier such as a MAC ID on a network, to activate or deactivate its respective function. Such communication between the components communicating with the controller may be by wired or fiberoptic cabling or by wireless communication. Further, while not shown, all components requiring electric power will be operatively engaged to onboard electric power of the vehicle in a conventional fashion using wires and where being remotely controlled appropriate switching controlled by the controller **12** to turn them on or off.

**[0055]** Where a sound is generated herein, the number and length of such sonic signals may vary with industries and companies. As described herein, a startup sonic warning is provided by a single honk or other single sound emission from a sonic alarm **16**, such as a speaker or transducer. Such is generated as a vehicle startup warning sound, upon a vehicle startup, for surrounding workers to hear. Such a startup sonic warning may vary in the number of sounds or honks emitted in various industries and job sites and the system **10** herein can be adjusted for such.

**[0056]** Concurrent with actuating the sonic alarm **16** to generate a honk or other audible signal as a vehicle startup sonic warning or sound correlating to an engine start, the controller **12** will also actuate a light-emitting alarm **18**, such as LEDs or strobe lights, which are positioned on at least the front and rear of the vehicle to emit a number of flashes of light equal to the number of honks or sounds generated by the speaker for the startup sonic warning, such as to flash once. This concurrent startup sonic warning and startup warning light, so emitted in equal numbers, provides humans proximate to the vehicle both visual and audible warnings that the vehicle engine is started and running.

**[0057]** With the engine running, the controller **12** is in ongoing electronic communication with a vehicle direction sensor **20** such as one engaged with the transmission selector employed by drivers to engage the vehicle with the engine to move in a particular direction. This vehicle direction sensor **20** will communicate electronic signals to the controller **12**, which correlate to a current vehicle movement direction selection by the driver, such as primarily forward or reverse.

**[0058]** When the vehicle direction sensor **20** communicates a signal to the controller **12** that a forward driving direction has been selected, the directional software running on the controller **12** to the task of receiving a signal from the direction sensor **20** and determining the upcoming directional movement of the vehicle, will cause the controller **12** to initiate a visual and an audible warning correlating to the direction of vehicle movement. For example, the directional software, once it determines forward vehicle movement, will signal and cause the controller **12** to actuate the sonic alarm **16** or horn to honk or emit sounds twice as a forward movement sonic warning. Preferably the controller **12** will also concurrently actuate the light-emitting alarm **18**, such as LED's or strobe lights, to flash the same number of times as the number of sounds emitted by the sonic alarm **16** which in forward movement is twice. Such will provide a concurrent forward direction warning light to be emitted and seen by surrounding workers.

**[0059]** As noted, increased risks to the humans proximate to the vehicle are present when the driver chooses to move in a reverse direction. Upon receipt of an electronic signal by the controller **12** from the direction sensor **20** that the driver actuated a selector to cause the vehicle to move in reverse, the directional software running on the controller **12** will actuate the controller to initiate a different sonic and visual signal pattern. For example, the directional software upon determining reverse vehicle movement, will cause the controller **12** to actuate the sonic alarm **16** to honk or emit other sounds three times as a reverse movement sonic warning.

**[0060]** Concurrently, with the actuation of the sonic alarm **16** to emit a reverse movement sonic warning, the controller upon communication of reverse movement being determined by the directional software will actuate rear-facing light-emitting alarms **18** to flash three times simultaneous with the sounds from the sound emitter **16**. The flashes of light from the light emitting alarms **18** in the same number of flashes or emissions as the number of sounds or honks of the reverse movement sonic warning, will provide the surrounding workers with a rearward direction warning light and a visual cue that the vehicle is moving rearward.

**[0061]** Additionally and preferred, for the duration of time that the vehicle remains moving in the reverse direction, the controller **12** will continue to actuate the sonic alarm **16** to emit three sounds in short durations for the reverse movement sonic warning, and at least the rear facing light-emitting alarms **18** such as LED's or strobe lights to blink rearward direction warning light emissions at for the same number of times. This will result in a continuous sonic and visual warning, to surrounding workers, that the vehicle continuous reverse movement. For example, the concurrent sonic alarms **16** and light-emitting alarms **18** from strobe lights will both activate every five seconds until a transmission selector direction sensor **20** communicates to the directional software running on the controller **12**, that the vehicle is shifted out of reverse.

**[0062]** Additionally, the system **10** may be enabled to communicate visually and audibly to workers and pedestrians proximate to the vehicle that an emergency exists. Such may be an emergency button **22** or switch which the driver manually activates which communicates to the controller **12** that an emergency exists. Upon receipt of such an emergency signal from the button **22**, emergency sensing software running on the controller **12** running to the task, will cause an emergency sonic and light emission signaling to be